

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/009290

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D215/22 C07D409/04 A61K31/4725 A61P25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JOURNAL OF MEDICINAL CHEMISTRY, vol. 15, no. 7, 1972, pages 762-770, XP002289097 the whole document	1-20
A	US 5 552 429 A (OGUIZA JUAN I ET AL) 3 September 1996 (1996-09-03) column 1, line 10 - column 4, line 15	1-20
A	US 5 306 719 A (TAMADA SHIGEHARU ET AL) 26 April 1994 (1994-04-26) column 1, line 40 - column 4, line 52	1-20
A	EP 0 919 236 A (LILLY CO ELI) 2 June 1999 (1999-06-02) page 1, line 1 - page 2, line 14; claims 1,2	1-20
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

20 July 2004

Date of mailing of the international search report

06/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Schuemacher, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/27068 A (HOWARD HARRY RALPH JR ; PFIZER PROD INC (US); ADAM MAVIS DIANE (US)) 19 April 2001 (2001-04-19) claims 1,7,9 -----	1-20
A	WO 02/094262 A (RATHMELL RICHARD EDMUND ; FAGAN MARIA ANN (GB); GALLAGHER PETER THADDE) 28 November 2002 (2002-11-28) claim 1 -----	1-20
A	WO 02/40006 A (LILLY CO ELI ; MICHELSON DAVID (US); THOMASSON HOLLY READ (US)) 23 May 2002 (2002-05-23) claims 1,2 -----	1-20
E	WO 2004/045718 A (KRANZLER JAY D ; RAO SRINIVAS G (US); CYPRESS BIOSCIENCE INC (US)) 3 June 2004 (2004-06-03) pages 25-28; claim 11 -----	1-20

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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 19 and 20 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5552429	A	03-09-1996	AU 685510 B2	22-01-1998
			AU 7742194 A	04-01-1996
			CA 2134038 A1	17-12-1995
			CN 1113436 A	20-12-1995
			CZ 9402624 A3	17-01-1996
			EP 0687472 A2	20-12-1995
			HU 71582 A2	28-12-1995
			JP 8003035 A	09-01-1996
			NO 944046 A	18-12-1995
			NZ 264774 A	27-07-1997
			PL 305701 A1	27-12-1995
			SG 70562 A1	22-02-2000
			US 5532250 A	02-07-1996
			US 5538992 A	23-07-1996
			US 5532268 A	02-07-1996
			US 5532264 A	02-07-1996
			US 5532244 A	02-07-1996
			ZA 9408357 A	24-04-1996
US 5306719	A	26-04-1994	JP 64003078 A	06-01-1989
			JP 1964561 C	25-08-1995
			JP 6096555 B	30-11-1994
			JP 63035562 A	16-02-1988
			DE 3784401 D1	08-04-1993
			DE 3784401 T2	12-08-1993
			DK 397387 A	01-02-1988
			EP 0255134 A2	03-02-1988
			ES 2053480 T3	01-08-1994
			US 4886809 A	12-12-1989
			US 5071856 A	10-12-1991
EP 0919236	A	02-06-1999	AU 740109 B2	01-11-2001
			BR 9812357 A	12-09-2000
			CA 2304115 A1	01-04-1999
			CN 1270520 T	18-10-2000
			EA 2689 B1	29-08-2002
			EP 0919236 A1	02-06-1999
			HU 0003591 A2	28-01-2002
			JP 2001517627 T	09-10-2001
			NO 20001458 A	21-03-2000
			NZ 502810 A	01-03-2002
			PL 339426 A1	18-12-2000
			TR 200000755 T2	21-09-2000
			WO 9915176 A1	01-04-1999
			US 6028070 A	22-02-2000
WO 0127068	A	19-04-2001	AU 769430 B2	29-01-2004
			AU 7307000 A	23-04-2001
			BG 106603 A	29-12-2002
			BR 0014733 A	11-06-2002
			CA 2387517 A1	19-04-2001
			CN 1378527 T	06-11-2002
			CZ 20021180 A3	13-11-2002
			EE 200200191 A	16-06-2003
			EP 1220831 A1	10-07-2002
			HR 20020324 A1	31-08-2003
			HU 0203448 A2	28-02-2003
			WO 0127068 A1	19-04-2001

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Information on patent family members

International Application No

PCT/US2004/009290

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0127068	A		JP 2003511434 T NO 20021659 A PL 355289 A1 SK 4732002 A3 TR 200201004 T2 US 2003055038 A1 ZA 200202804 A US 6410736 B1	25-03-2003 08-04-2002 05-04-2004 03-12-2002 21-11-2002 20-03-2003 10-04-2003 25-06-2002
WO 02094262	A	28-11-2002	CA 2445010 A1 EP 1397129 A1 WO 02094262 A1	28-11-2002 17-03-2004 28-11-2002
WO 0240006	A	23-05-2002	AU 1775702 A CA 2426069 A1 CZ 20031339 A3 EP 1395253 A2 HR 20030384 A1 HU 0301863 A2 NO 20032156 A SK 5422003 A3 WO 0240006 A2	27-05-2002 23-05-2002 15-10-2003 10-03-2004 31-08-2003 29-09-2003 13-05-2003 02-12-2003 23-05-2002
WO 2004045718	A	03-06-2004	WO 2004045718 A2	03-06-2004